



CI/CD

CONTINUOUS INTEGRATION AND CONTINUOUS DEPLOYMENT

- ❖ BENEFITS OF CI/CD AND ITS IMPACT ON BUSINESS
- ❖ CI/CD ENSURE YOU DELIVER FAST AND SAVE COST

WHAT IS CI/CD ?

- continuous integration : is The practice of merging all developers' working copies to a shared mainline several times a day.
- continuous deployment : is A software engineering approach in which the value is delivered frequently through automated deployments .

Continuous
Integration + Continuous
Deployment = Continuous
Delivery

- Continuous Delivery : is An engineering practice in which teams produce and release value in short cycles.

HOW CI/CD WORKS ?



BENEFITS OF CI/CD :

- In Avoiding Cost :
 1. Less bugs in production and less time in testing.
 2. Prevent embarrassing or costly security holes.
 3. Less human error, Faster deployments.
- In Reduce Cost :
 1. Less developer time on issues from new developer code.
 2. Less infrastructure costs from unused resources.

- In Protect Revenue:
 1. Reduced downtime from a deploy-related crash or major bug.
 2. Quick undo to return production to working state.
- In Increase Revenue:
 1. Less time to market.